No.	Date	Description	By	Chk

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PROJECT:
PROPOSED DEVELOPMENT AT MAIN STREET RATHCOOLE FOR LORAT TRADING LTD

TITLE:
PROPOSED WATERMAIN LAYOUT

STATUS:		File Ref:	
FURTHER INFORMATION		**2021/21**	
BY:	**SCALE:**	**DATE:**	**DWG No:** / **rev**
CHK:	**A1 1:250**	**FEB 21**	**FI-102** /
			cad:–

NOTES

1. WATERMAIN TO BE 110mmØ PE 100 SRD 17 IN ACCORDANCE WITH IS EN 12201, IS EN 13244 AND IS EN 13598-1 . MINIMUM COVER 900mm AIR VALVES (AV) LOCATED AT SUMMITS, SLUICE VALVES(SV) PROVIDED TO ISOLATE SECTIONS OF THE DEVELOPMENT TO BS 5163 . SCOUR VALVES(ScV) AT TROUGHS OF PIPELINE . HYDRANTS IN ACCORDANCE WITH BS 750 SCREW DOWN TYPE NOT TO EXCEED 200mm BELOW FINISHED GROUND LEVEL .
2. SURFACES BOXES FOR HYDRANTS , AIRVALVES AND STOPCOCK CHAMBERS TO IS 261 . INDICATOR PLATES TO BS 3261 COLOURED SUBJECT TO IRISH WATER'S APPROVAL . WATERMAINS SHALL BE HYDRAULICALLY TESTED AND APPROVED BY LOCAL AUTHORITY PRIOR TO COMMISSIONING .
3. ROOT BARRIER PROTECTION TO BE PROVIDED WHERE WATERMAIN IS LESS THAN 3m FROM TREES
4. WATER METER ARRANGEMENTS TO BE AGREED WITH IRISH WATER AND SOUTH DUBLIN COUNTY COUNCIL
5. POSITION OF BOUNDARY BOXES SERVING EACH UNIT TO BE AGREED WITH IRISH WATER
6. EXACT LOCATION OF HYDRANTS SUBJECT TO A FIRE SAFETY CERTIFICATE APPLICATION BY OTHERS

LEGEND

EXISTING WATERMAIN

PROPOSED 110Ømm PE 100 SRD 17 WATERMAIN

WATERMAIN FITTINGS — SV SLUICE VALVE, AV AIR VALVE, ScV SCOUR VALVE, FH FIRE HYDRANT

IRISH WATER SPECIFICATION AND DETAILS

THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH THE FOLLOWING IRISH WATER DOCUMENTS:
'WATER INFRASTRUCTURE CODE OF PRACTICE' AND
'WATER INFRASTRUCTURE STANDARD DETAILS'
JULY 2020 (REV 4) OR LATEST EDITION

THE FOLLOWING STANDARD DETAILS APPLY
STD-W-03 REV 4 CUSTOMER CONNECTION AND BOUNDARY BOXES
STD-W-04 REV 4 GENERAL PIPE CONNECTIONS
STD-W-05 REV 3 GENERAL PIPE CONNECTIONS
STD-W-06 REV 3 GENERAL PIPE CONNECTIONS
STD-W-11 REV 2 SEPARATION DISTANCES
STD-W-12 REV 0 NEW TREES PLANTING RESTRICTIONS
STD-W-13 REV 2 TRENCH BACKFILL AND BEDDING DETAILS
STD-W-15 REV 3 SLUICE VALVES FOR PE PIPES <350mm DIA.
STD-W-18 REV 3 ON LINE HYDRANTS FOR PE PIPES
STD-W-19 REV 4 OFF LINE HYDRANTS FOR PE PIPES
STD-W-22 REV 3 ON LINE AIR VALVES FOR PE PIPES
STD-W-26F REV 0 BY-PASS FLOW METER CHAMBER
STD-W-27 REV 3 MARKER POSTS / PLATES
STD-W-28 REV 1 THRUST AND SUPPORT BLOCKS
STD-W-30B REV 0 SCOUR CHAMBER TO STORM DRAIN
STD-W-42 REV 0 SEPARATION DISTANCES SECTION
STD-W-43 REV 0 SEPARATION DISTANCES PLAN

THE ABOVE IS NOT AN EXHAUSTIVE LIST AND MAYBE BE SUBJECT TO CHANGE POST-PLANNING

OFF LINE FIRE HYDRANT

PROPOSED WATERMAIN 110ØPE 100 SRD 17 DEPTH OF COVER 900mm

S OFFSET DISTANCE FROM ADJACENT KERB LINE

MINIMUM SETBACK DISTANCE FROM BUILDINGS

OFFSET DISTANCE FROM ADJACENT UTILITY

DEPTH OF COVER 600mm

SETBACK DISTANCE FOR FIRE HYDRANT

NEW SLUICE VALVES TO BE PLACED OVER EXISTING WATERMAIN

EXISTING 110Ø UPVC WATERMAIN

SCOUR CHAMBER
SCOUR OUTLET 75Ø, DUCTILE IRON PIPE

FOR SURFACE FINISHES REFER TO LANDSCAPE ARCHITECT DRAWINGS

EXISTING 4" ASBESTOS WATERMAIN

EX MH

EX STORM MH
CL 115.27
IL 114.21

NOTE: INFORMATION ON EXISTING WATERMAIN TAKEN FORM MAPPING PROVIDED BY SOUTH DUBLIN COUNTY COUNCIL

WATERMAIN LAYOUT

FOR PLANNING PURPOSES ONLY NOT FOR POST PLANNING

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